

## WORKING PRINCIPLE :

This is designed for sensing Registration Mark. It continuously scans the presence of registration mark on the moving packaging film. The electronic circuitry is capable of detecting / scanning any colours on any background colour. A modulated Green LED is focused on the moving packaging film. A highly sensitive Photo cell continuously accepts the reflections from the film (paper / plastic) and sends the signals to the electronic scanning circuit. On scanning the presence of Registration Mark; it gives transistorised output.

A logic controller is also provided which accepts signals from scanning head & other Proximity Sensors to keep correct pouch / bag length by driving correction motor (110 VAC, 4 wire) or (230 VAC, 3 wire).



## SALIENT FEATURES :

- Fully solid state thus making it totally reliable.
- Immune to external light source, electrical interference.
- A selector switch provided to choose Dark switching or light switching.
- High speed switching i.e. 2000 marks/ min.
- Detection of different contrast sheds by means of sensitivity pot provision.

## PRINT MARK SENSOR WITH TEACH - IN FUNCTION :

This is with micro Controller based technology, wherein user has to press SCAN key (a feather touch key), keeping White spot light on Mark colour as well as on background colour and within 2-3 sec both colours will get registered in memory. The electronic scanning circuit then differentiate both colours and gives out put on detection of Registration Mark.

## SPECIFICATIONS :

Supply Voltage	: 10 - 30 VDC
Scanning Distance	: 3 to 8 mm Between the Scanning head & the film
Output	: NPN or PNP
Dimensions	: 90 x 65 x 35 mm (H X W X D)



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## PROXIMON CONTROLS PVT. LTD.

202, Krishna, Laxmi Industrial Complex,  
Pokharan Road No. 1, Vartak Nagar, Thane-400 606, INDIA  
Tel.: 91-22-2588 9244 / 45, 2585 4287  
Fax: 91-22-2588 9246  
e-mail: info@proximon.com Website: www.proximon.com